

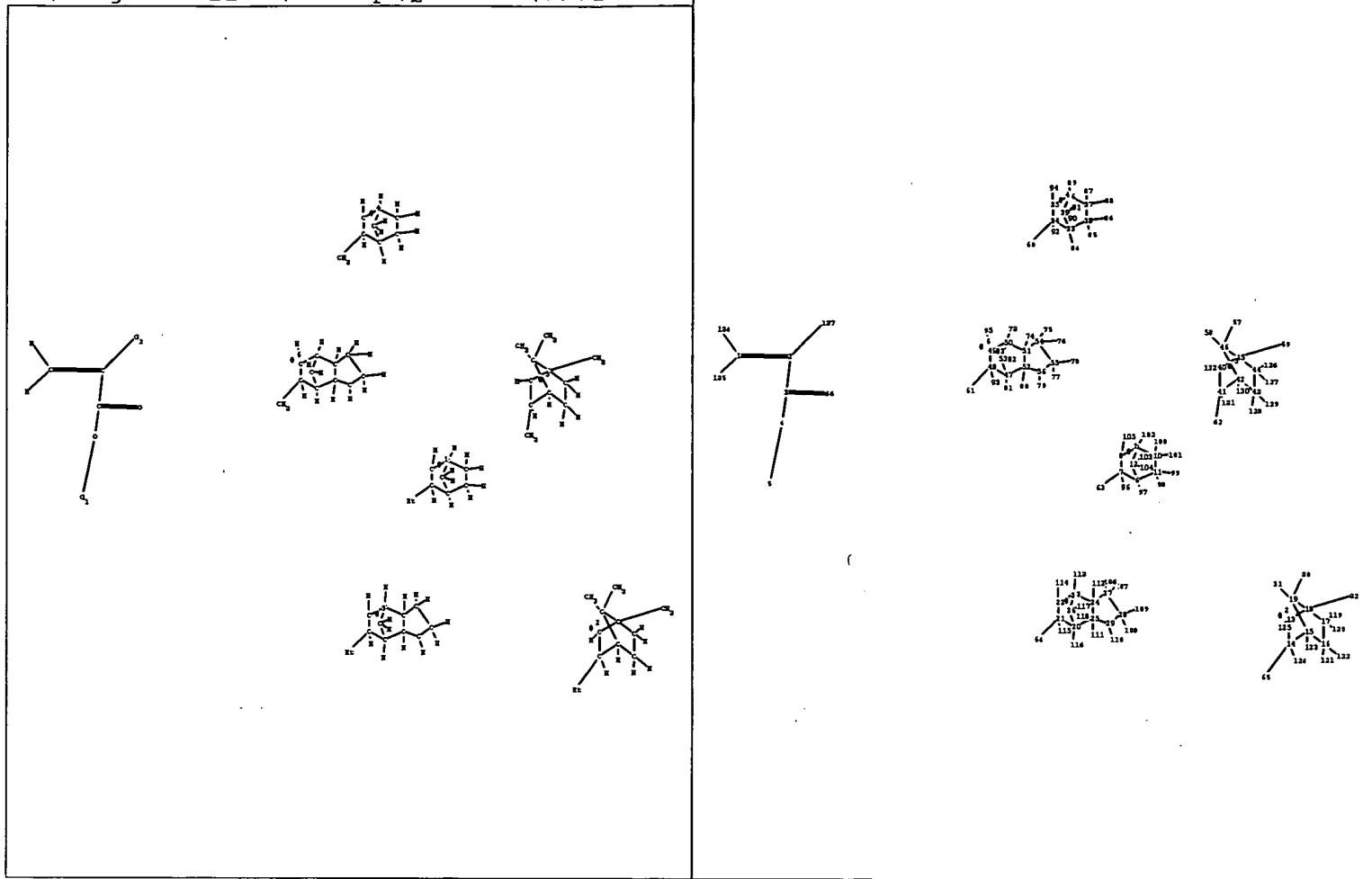
Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	902	CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 12:37
S2	0	CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE	USOCR	OR	ON	2002/01/22 17:18
S3	68	(CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE) and (photoresist resist)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/01/22 17:18
S4	0	(CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE) and (photoresist resist)	USOCR	OR	ON	2002/01/22 17:18
S5	37	((CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE) and (photoresist resist)) and (\$5acid near generat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:28
S6	214	(alicyclic bicyclic adamantyl norbornyl isobornyl decanyl) and (photoresist resist) and (\$5acid near generat\$3) and (maleic adj anhydride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/01/22 17:34
S7	204	((alicyclic bicyclic adamantyl norbornyl isobornyl decanyl) and (photoresist resist) and (\$5acid near generat\$3) and (maleic adj anhydride)) not (((CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE) and (photoresist resist)) and (\$5acid near generat\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/01/22 17:34
S8	111	((alicyclic bicyclic adamantyl norbornyl isobornyl decanyl) and (photoresist resist) and (\$5acid near generat\$3) and (maleic adj anhydride)) not (((CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE) and (photoresist resist)) and (\$5acid near generat\$3))) and (surfactant) and ((basic adj compound) base (organic adj base))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/01/22 17:43
S9	35	((alicyclic bicyclic adamantyl norbornyl isobornyl decanyl) and (photoresist resist) and (\$5acid near generat\$3) and (maleic adj anhydride)) not (((CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE) and (photoresist resist)) and (\$5acid near generat\$3))) and (surfactant) and ((basic adj compound) base (organic adj base))) and ((2-methyl-2-norbornyl) (2-ethyl-2-norbornyl) (2-methyl-2-isobornyl) (2-ethyl-2-isobornyl) (8-methyl-8-tricyclo5210decanyl) (2-methyl-2-adamantyl) (2-ethyl-2-adamantyl))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/01/22 17:47
S10	39	((("6316565") or ("6132926") or ("6165672") or ("6312865") or ("6225020") or ("6316162") or ("6265130") or ("6103450") or ("6150069") or ("6143465") or ("6268106") or ("6103450") or ("6027856") or ("6235448") or ("6132936") or ("6143466") or ("5705503") or ("3715330") or ("4126738") or ("4202955") or ("4857435") or ("4948856") or ("4986648") or ("5064919") or ("5738975") or ("5843624") or ("5849808") or ("6028153") or ("6045967") or ("6048664") or ("6071670") or ("6063542"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2002/01/22 18:14

S11	38	((("6316565") or ("6132926") or ("6165672") or ("6312865") or ("6225020") or ("6316162") or ("6265130") or ("6103450") or ("6150069") or ("6143465") or ("6268106") or ("6103450") or ("6027856") or ("6235448") or ("6132936") or ("6143466") or ("5705503") or ("3715330") or ("4126738") or ("4202955") or ("4857435") or ("4948856") or ("4986648") or ("5064919") or ("5738975") or ("5843624") or ("5849808") or ("6028153") or ("6045967") or ("6048664") or ("6071670") or ("6063542"))).PN.) not (((((alicyclic bicyclic adamantyl norbornyl isobornyl decanyl) and (photoresist resist) and (\$5acid near generat\$3) and (maleic adj anhydride))) not (((CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE) and (photoresist resist)) and (\$5acid near generat\$3))) and (surfactant) and ((basic adj compound) base (organic adj base))) and ((2-methyl-2-norbornyl) (2-ethyl-2-norbornyl) (2-methyl-2-isobornyl) (2-ethyl-2-isobornyl) (8-methyl-8-tricyclo5210decanyl) (2-methyl-2-adamantyl) (2-ethyl-2-adamantyl)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/01/22 18:14
S14	4	((("6239231") or ("6280897"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/01/23 10:22
S15	1006	(surfactant same (polyether polysulfonate polyethylene adj glycol)) and (photoresist resist)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/01/23 10:23
S16	1	("6312867").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2002/01/23 10:35
S17	135	((surfactant same (polyether polysulfonate polyethylene adj glycol)) and (photoresist resist)) and (alicyclic bicyclic polycyclic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/01/23 10:48
S18	47	((((surfactant same (polyether polysulfonate polyethylene adj glycol)) and (photoresist resist)) and (alicyclic bicyclic polycyclic)) and ("430"/\$.cccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/01/23 11:09
S19	5	((("5405720") or ("5360692") or ("5529881") or ("5296330") or ("5436098") or ("5576143") or ("5294511") or ("5824451"))).PN.) and surfactant	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/01/23 11:10
S20	22	((("5405720") or ("5360692") or ("5529881") or ("5296330") or ("5436098") or ("5576143") or ("5294511") or ("5824451"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/01/23 11:13
S21	39	((CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE) and (photoresist resist)) and (\$5acid near generat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/06/18 17:15
S22	33545	(maleic adj anhydride) same (copolymer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/06/18 17:32
S23	23610	((maleic adj anhydride) same (copolymer)) and (ester acrylate methacrylate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/06/18 17:19
S24	179	((((maleic adj anhydride) same (copolymer)) and (ester acrylate methacrylate)) and ((acid adj labile) (acid near cleavable)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/06/18 17:24

S25	109	(((((maleic adj anhydride) same (copolymer)) and (ester acrylate methacrylate)) and ((acid adj labile) (acid near cleavable))) and (\$5acid near generat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/06/18 17:32
S26	4879	(t-butyl tert-butyl ((tert t tertiary) adj butyl) tertiary-butyl) adj (methacrylate acrylate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/06/18 17:32
S27	481	(maleic adj anhydride) same ((t-butyl tert-butyl ((tert t tertiary) adj butyl) tertiary-butyl) adj (methacrylate acrylate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/06/18 17:32
S28	59	((maleic adj anhydride) same ((t-butyl tert-butyl ((tert t tertiary) adj butyl) tertiary-butyl) adj (methacrylate acrylate))) and (\$5acid near generat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/06/18 17:34
S29	53	(((((maleic adj anhydride) same ((t-butyl tert-butyl ((tert t tertiary) adj butyl) tertiary-butyl) adj (methacrylate acrylate))) and (\$5acid near generat\$3)) not (((CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE) and (photoresist resist)) and (\$5acid near generat\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/06/19 08:33
S30	53	(((((maleic adj anhydride) same ((t-butyl tert-butyl ((tert t tertiary) adj butyl) tertiary-butyl) adj (methacrylate acrylate))) and (\$5acid near generat\$3)) not (((CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE) and (photoresist resist)) and (\$5acid near generat\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/06/19 08:37
S31	27	(US-5753400-\$ or US-6280897-\$ or US-6242153-\$ or US-6239231-\$ or US-5738975-\$ or US-4986648-\$ or US-6270942-\$ or US-6277538-\$ or US-6280903-\$ or US-6103845-\$ or US-6114084-\$ or US-6171754-\$ or US-6051362-\$ or US-6103450-\$ or US-6300036-\$ or US-6312828-\$ or US-6302968-\$ or US-6171733-\$ or US-6168908-\$ or US-6136500-\$ or US-6358670-\$ or US-6171755-\$).did. or (US-20020072009-\$ or US-20010044071-\$ or US-20010014428-\$ or US-20010024763-\$).did. or (GB-2357775-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/01/06 11:47
S32	16	((("1195390") or ("20020061463") or ("6284429") or ("1031879") or ("6312867")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/06 13:53
S33	2	("6312867").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/06 13:53
S34	9	((("6538086") or ("2002061463") or ("6538086") or ("6312867") or ("6284429") or ("6312867") or ("6284429")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/09/11 18:21
S35	2	ep-1195390-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/11 18:21
S36	2	jp-2001188352-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/11 18:22

S37	13	((("6538086") or ("2002061463") or ("6538086") or ("6312867") or ("6284429") or ("6312867") or ("6284429")).PN.) ep-1195390-\$.did. jp-2001188352-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/11 18:30
S38	2	("2002061463").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/09/11 18:34
S39	72	(2-3thyl-2-norbornyl) (2-3thyl-2-isobornyl) (8-3thyl-rtricycloa8decanyl)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/11 18:43
S40	75863	maleic adj anhydride	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/11 18:43
S41	22	((2-3thyl-2-norbornyl) (2-3thyl-2-isobornyl) (8-3thyl-rtricycloa8decanyl)) same (maleic adj anhydride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/11 18:43
S42	21	((((2-3thyl-2-norbornyl) (2-3thyl-2-isobornyl) (8-3thyl-rtricycloa8decanyl)) same (maleic adj anhydride)) not (((("6538086") or ("2002061463") or ("6538086") or ("6312867") or ("6284429") or ("6312867") or ("6284429")).PN.) ep-1195390-\$.did. jp-2001188352-\$.did.) (("2002061463").PN.))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/11 18:43
S43	2	("6312867").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/09/18 18:42
S44	2	("6312867").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/30 14:16
S45	6	((("5703185") or ("5616667") or ("6110367")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/30 13:00
S46	2	jp-10153864-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:01
S48	2	jp-05011450-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:03
S49	2	jp-05009231-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:14
S50	11	S45 S46 S48 S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:14
S51	110	((CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JUN WOO-SANG WOO-SANG-GYUN WOO-SANG-JOON WOO-SANG-KYOUNG KIM-HYUN-WOO KIM-H-W MOON-J MOON-JO MOON-JOO-TAE) and (photoresist resist)) and (\$5acid near generat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:28

S52	153	2-ethyl-2-norbornyl 2-methyl-2-norbornyl 2-methyl-2-isobornyl 2-ethyl-2-isobornyl 8-methyl-8-tricyclo\$6decanyl 8-ethyl-8-tricyclo\$6decanyl	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 14:22
S53	0	S51 and S47	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:30
S54	22	S51 and S52	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:30
S55	22	S54 and (maleic adj anhydride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:34
S56	108	S52 and (maleic adj anhydride)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:35
S57	86	S56 not S55	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:35
S58	15	("4841005" "5069997" "5230984" "5585222" "5929271" "6147177" "6153785").PN. OR ("6312867").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/30 13:46
S59	5	("4591626").PN. OR ("6153785").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/30 13:50
S60	6	("4200588" "6147249" "6153785").PN. OR ("6222061" "6433215").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/30 13:53
S61	15	("4841005" "5069997" "5230984" "5585222" "5929271" "6147177" "6153785").PN. OR ("6312867").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/30 13:57
S62	0	S61 not S58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/30 13:57
S63	5	("6858370").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/30 14:16
S64	28	(2-ethyl-2-norbornyl 2-methyl-2-norbornyl 2-methyl-2-isobornyl 2-ethyl-2-isobornyl 8-methyl-8-tricyclo\$6decanyl 8-ethyl-8-tricyclo\$6decanyl) adj (methacrylate acrylate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 14:23
S65	21	S64 not (S63 S61 S60 S59 S58 S55 S50 S44 S45)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 14:30
S66	4	S64 not (S50 S44 S45 S54 S50 S55 S57 S58 S59 S60 S61 S63)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/30 14:31
S67	0	("2003/0054290").URPN.	USPAT	OR	ON	2005/04/30 14:32



chain nodes :

```

1  2  3  4  5 30 31 32 57 58 59 60 61 62 63 64 65 66 73 74
75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93
94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109
110 111 112 113 114 115 116 117 118 119 120 121 122 123 124
125 126 127 128 129 130 131 132 134 135 137

```

ring nodes :

```

6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
48 49 50 51 52 53 54 55 56

```

chain bonds :

```

1-2 1-134 1-135 2-3 2-137 3-4 3-66 4-5 6-97 7-63 7-96 8-105
9-102 10-100 10-101 11-98 11-99 12-103 12-104 13-125 14-65 14-124
15-123 16-121 16-122 17-119 17-120 18-32 19-30 19-31 20-116 21-64
21-115 22-114 23-113 24-112 25-111 26-117 26-118 27-106 27-107
28-108 28-109 29-110 33-84 34-60 34-92 35-94 36-89 37-87 37-88
38-85 38-86 39-90 39-91 40-132 41-62 41-131 42-130 43-128 43-129
44-126 44-127 45-59 46-57 46-58 47-81 48-61 48-93 49-95 50-73
51-74 52-80 53-82 53-83 54-75 54-76 55-77 55-78 56-79

```

ring bonds :

```

6-7 6-11 6-12 7-8 8-9 9-10 9-12 10-11 13-14 13-18 14-15 15-16
15-19 16-17 17-18 18-19 20-21 20-25 20-26 21-22 22-23 23-24 23-26
24-25 24-27 25-29 27-28 28-29 33-34 33-38 33-39 34-35 35-36 36-37
36-39 37-38 40-41 40-45 41-42 42-43 42-46 43-44 44-45 45-46 47-48
47-52 47-53 48-49 49-50 50-51 50-53 51-52 51-54 52-56 54-55 55-56

```

exact/norm bonds :

```

2-137 3-4 3-66 4-5 6-7 6-11 6-12 7-8 8-9 9-10 9-12 10-11 13-14
13-18 14-15 15-16 15-19 16-17 17-18 18-19 20-21 20-25 20-26 21-22
22-23 23-24 23-26 24-25 24-27 25-29 27-28 28-29 33-34 33-38 33-39
34-35 35-36 36-37 36-39 37-38 40-41 40-45 41-42 42-43 42-46 43-44
44-45 45-46 47-48 47-52 47-53 48-49 49-50 50-51 50-53 51-52 51-54
52-56 54-55 55-56

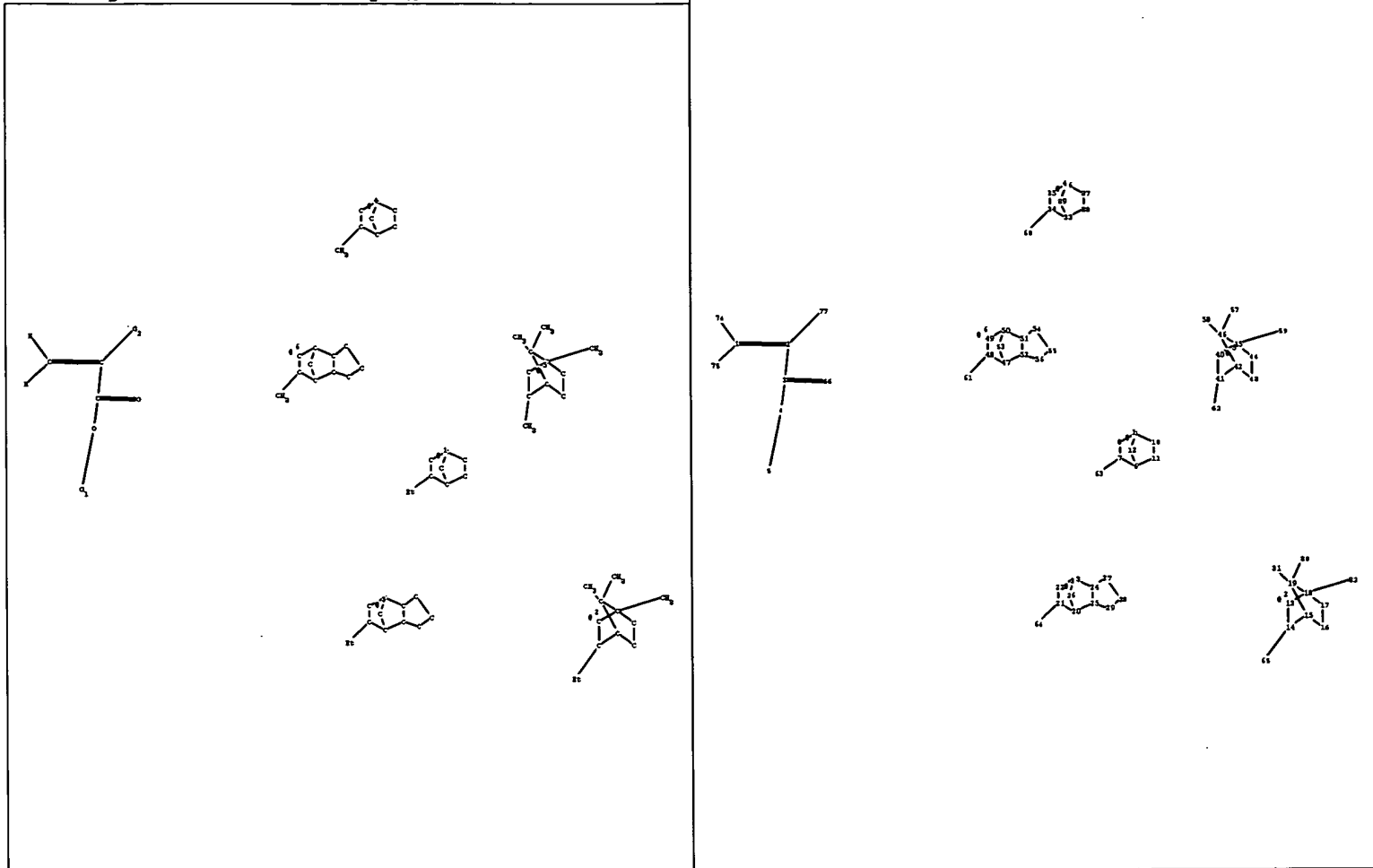
```

exact bonds :

```

1-2 1-134 1-135 2-3 6-97 7-63 7-96 8-105 9-102 10-100 10-101
11-98

```

chain nodes :

1 2 3 4 5 30 31 32 57 58 59 60 61 62 63 64 65 66 74 75
77

ring nodes :

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
48 49 50 51 52 53 54 55 56

chain bonds :

1-2 1-74 1-75 2-3 2-77 3-4 3-66 4-5 7-63 14-65 18-32 19-30 19-31
21-64 34-60 41-62 45-59 46-57 46-58 48-61

ring bonds :

6-7 6-11 6-12 7-8 8-9 9-10 9-12 10-11 13-14 13-18 14-15 15-16
15-19 16-17 17-18 18-19 20-21 20-25 20-26 21-22 22-23 23-24 23-26
24-25 24-27 25-29 27-28 28-29 33-34 33-38 33-39 34-35 35-36 36-37
36-39 37-38 40-41 40-45 41-42 42-43 42-46 43-44 44-45 45-46 47-48
47-52 47-53 48-49 49-50 50-51 50-53 51-52 51-54 52-56 54-55 55-56

exact/norm bonds :

2-77 3-4 3-66 4-5 6-7 6-11 6-12 7-8 8-9 9-10 9-12 10-11 13-14
13-18 14-15 15-16 15-19 16-17 17-18 18-19 20-21 20-25 20-26 21-22
22-23 23-24 23-26 24-25 24-27 25-29 27-28 28-29 33-34 33-38 33-39
34-35 35-36 36-37 36-39 37-38 40-41 40-45 41-42 42-43 42-46 43-44
44-45 45-46 47-48 47-52 47-53 48-49 49-50 50-51 50-53 51-52 51-54
52-56 54-55 55-56

exact bonds :

1-2 1-74 1-75 2-3 7-63 14-65 18-32 19-30 19-31 21-64 34-60 41-62
45-59 46-57 46-58 48-61

G1:[*1],[*2],[*3],[*4],[*5],[*6]

G2:H,CH3

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:Atom

	11:Atom	12:Atom	13:Atom	14:Atom	15:Atom	16:Atom	17:Atom
18:Atom	19:Atom	20:Atom	21:Atom	22:Atom	23:Atom	24:Atom	25:Atom
26:Atom	27:Atom	28:Atom	29:Atom	30:Atom	31:Atom	32:Atom	33:Atom
34:Atom	35:Atom	36:Atom	37:Atom	38:Atom	39:Atom	40:Atom	41:Atom
42:Atom	43:Atom	44:Atom	45:Atom	46:Atom	47:Atom	48:Atom	49:Atom
50:Atom	51:Atom	52:Atom	53:Atom	54:Atom	55:Atom	56:Atom	57:Atom
58:Atom	59:Atom	60:CLASS	61:CLASS	62:CLASS	63:CLASS	64:CLASS	65:CLASS
66:CLASS	74:CLASS	75:CLASS	77:CLASS				

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 2067

L8 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\09715041-2.str

L9 STRUCTURE UPLOADED

=> que L9 AND L8

L10 QUE L9 AND L8

=> s l10 sss sam

SAMPLE SEARCH INITIATED 14:14:39 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 223 TO ITERATE

100.0% PROCESSED 223 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 3565 TO 5355

PROJECTED ANSWERS: 1 TO 80

L11 1 SEA SSS SAM L9 AND L8

=> d

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 454470-90-7 REGISTRY

ED Entered STN: 24 Sep 2002

CN 2-Propenoic acid, 2-methyl-, 2-ethyltricyclo[3.3.1.1^{3,7}]dec-2-yl ester, polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione, hexahydro-5-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate, hexahydro-6-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate and hexahydro-6a-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

MF (C16 H24 O2 . C12 H14 O4 . C12 H14 O4 . C12 H14 O4 . C7 H10 . C4 H2 O3)x

CI PMS

PCT Polyacrylic, Polyother, Polyvinyl

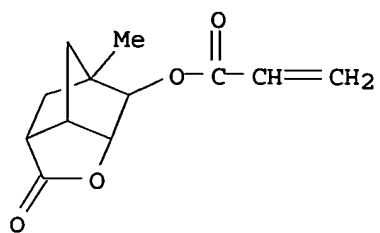
SR CA

LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

CM 1

CRN 392309-90-9

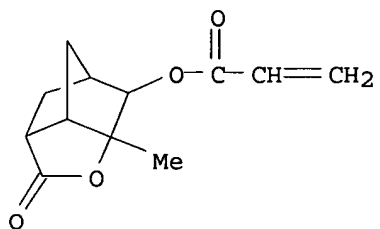
CMF C12 H14 O4



CM 2

CRN 392309-89-6

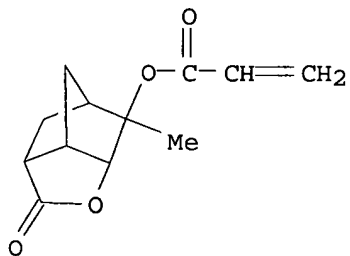
CMF C12 H14 O4



CM 3

CRN 392309-87-4

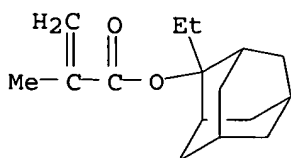
CMF C12 H14 O4



CM 4

CRN 209982-56-9

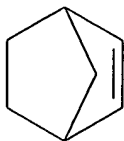
CMF C16 H24 O2



CM 5

CRN 498-66-8

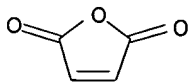
CMF C7 H10



CM 6

CRN 108-31-6

CMF C4 H2 O3



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 14:08:18 ON 30 APR 2005)

FILE 'REGISTRY' ENTERED AT 14:09:27 ON 30 APR 2005

L1 SCREEN 970 AND 2067
L2 STRUCTURE UPLOADED
L3 QUE L2 AND L1
L4 0 S L3 SSS SAM
L5 23670 S 108-31-6/CRN

FILE 'HCAPLUS, CAPLUS, USPATFULL' ENTERED AT 14:10:20 ON 30 APR 2005

L6 0 S L4
L7 74162 S L5

FILE 'HOME' ENTERED AT 14:11:03 ON 30 APR 2005

FILE 'REGISTRY' ENTERED AT 14:13:16 ON 30 APR 2005

L8 SCREEN 970 AND 2067
L9 STRUCTURE UPLOADED
L10 QUE L9 AND L8
L11 1 S L10 SSS SAM

=> FIL HCAPLUS, CAPLUS, USPATFULL
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.56	482.95

FILE 'HCAPLUS' ENTERED AT 14:15:22 ON 30 APR 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 14:15:22 ON 30 APR 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 14:15:22 ON 30 APR 2005

CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l11

L12 3 L11

=> s l12 and 17

L13 3 L12 AND L7

=> duplicates remove l13
DUPLICATE PREFERENCE IS 'HCAPLUS, CAPLUS, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L13
L14 2 DUPLICATE REMOVE L13 (1 DUPLICATE REMOVED)

=> d l14 1-2 ibib hitstr

L14 ANSWER 1 OF 2 USPATFULL on STN
ACCESSION NUMBER: 2003:23576 USPATFULL
TITLE: Positive photosensitive composition
INVENTOR(S): Kodama, Kunihiko, Shizuoka, JAPAN
Sato, Kenichiro, Shizuoka, JAPAN
PATENT ASSIGNEE(S): FUJI PHOTO FILM CO., LTD. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003017415	A1	20030123
	US 6858370	B2	20050222
APPLICATION INFO.:	US 2002-79414	A1	20020222 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2001-48602	20010223
	JP 2001-48783	20010223
	JP 2001-48784	20010223
	JP 2001-48880	20010223
	JP 2001-157366	20010525
	JP 2001-157367	20010525
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SUGHRUE MION, PLLC, 2100 PENNSYLVANIA AVENUE, N.W., WASHINGTON, DC, 20037	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	3838	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 392309-88-5P 392310-00-8P 398140-88-0P
454470-75-8P 454470-76-9P 454470-77-0P
454470-78-1P 454470-79-2P 454470-80-5P
454470-81-6P 454470-82-7P 454470-84-9P
454470-86-1P 454470-90-7P 454470-93-0P
454470-95-2P 454470-97-4P 454471-00-2P
454471-02-4P

(storage-stable chemical amplified UV pos. photoresists with good
post-exposure stability for halftone exposure)

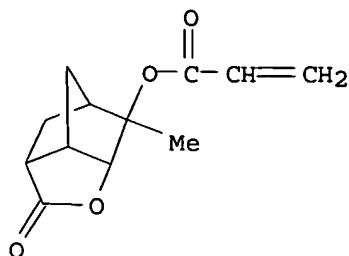
RN 392309-88-5 USPATFULL

CN 2-Propenoic acid, hexahydro-6-methyl-2-oxo-3,5-methano-2H-
cyclopenta[b]furan-7-yl ester, polymer with bicyclo[2.2.1]hept-2-ene,
2,5-furandione and 2-methyltricyclo[3.3.1.1^{3,7}]dec-2-yl 2-propenoate
(9CI) (CA INDEX NAME)

CM 1

CRN 392309-87-4

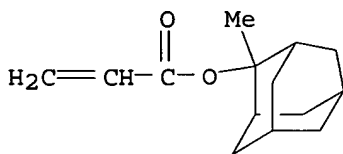
CMF C12 H14 O4



CM 2

CRN 249562-06-9

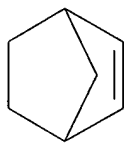
CMF C14 H20 O2



CM 3

CRN 498-66-8

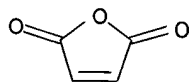
CMF C7 H10



CM 4

CRN 108-31-6

CMF C4 H2 O3



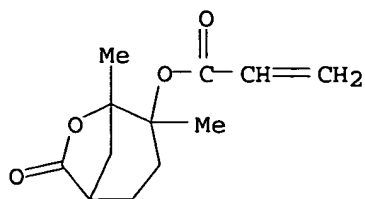
RN 392310-00-8 USPATFULL

CN 2-Propenoic acid, 4,5-dimethyl-7-oxo-6-oxabicyclo[3.2.1]oct-4-yl ester,
polymer with 2,5-furandione, 1-methyl-1-(4-methylcyclohexyl)ethyl
2-propenoate and 1,2,3,4,4a,5,8,8a-octahydro-1,4:5,8-
dimethanonaphthalene (9CI) (CA INDEX NAME)

CM 1

CRN 392309-99-8

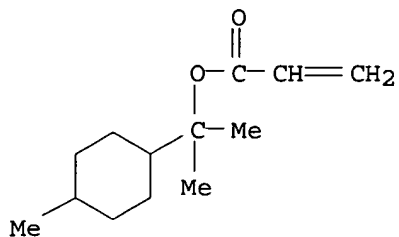
CMF C12 H16 O4



CM 2

CRN 342648-11-7

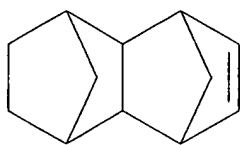
CMF C13 H22 O2



CM 3

CRN 21635-90-5

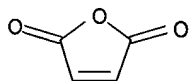
CMF C12 H16



CM 4

CRN 108-31-6

CMF C4 H2 O3



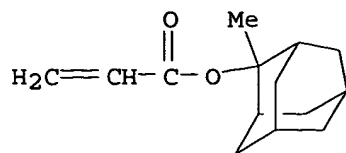
RN 398140-88-0 USPATFULL

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1,1-dimethylethyl ester, polymer with 2,5-furandione, hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate and 2-methyltricyclo[3.3.1.1^{3,7}]dec-2-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 249562-06-9

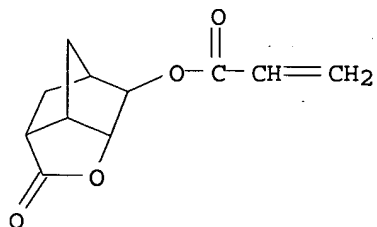
CMF C14 H20 O2



CM 2

CRN 242129-35-7

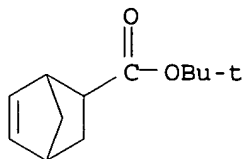
CMF C11 H12 O4



CM 3

CRN 154970-45-3

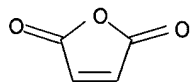
CMF C12 H18 O2



CM 4

CRN 108-31-6

CMF C4 H2 O3



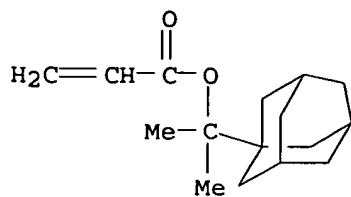
RN 454470-75-8 USPATFULL

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1,1-dimethylethyl ester,
polymer with 3,5-dihydroxytricyclo[3.3.1.1^{3,7}]dec-1-yl 2-propenoate,
2,5-furandione, hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl
2-propenoate and 1-methyl-1-tricyclo[3.3.1.1^{3,7}]dec-1-ylethyl
2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 300833-10-7

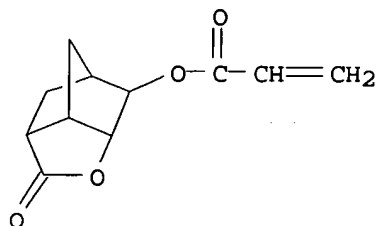
CMF C16 H24 O2



CM 2

CRN 242129-35-7

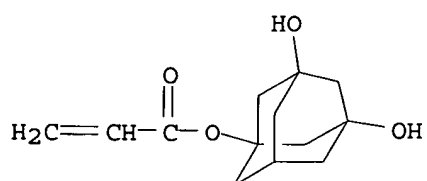
CMF C11 H12 O4



CM 3

CRN 216581-85-0

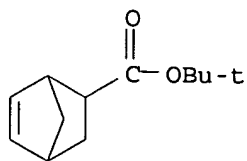
CMF C13 H18 O4



CM 4

CRN 154970-45-3

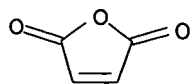
CMF C12 H18 O2



CM 5

CRN 108-31-6

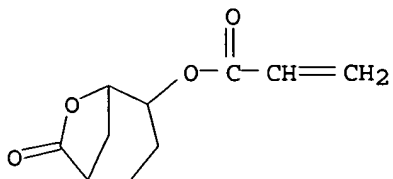
CMF C4 H2 O3



RN 454470-76-9 USPATFULL
CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1,1-dimethylethyl ester,
polymer with 2,5-furandione, 1-methyl-1-(4-methylcyclohexyl)ethyl
2-propenoate and 7-oxo-6-oxabicyclo[3.2.1]oct-4-yl 2-propenoate (9CI)
(CA INDEX NAME)

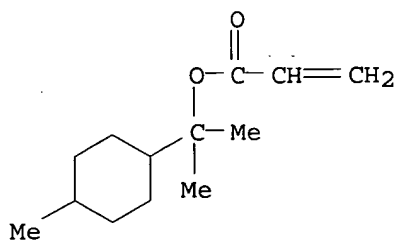
CM 1

CRN 398140-83-5
CMF C10 H12 O4



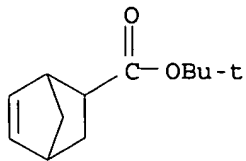
CM 2

CRN 342648-11-7
CMF C13 H22 O2



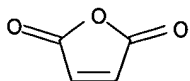
CM 3

CRN 154970-45-3
CMF C12 H18 O2



CM 4

CRN 108-31-6
CMF C4 H2 O3

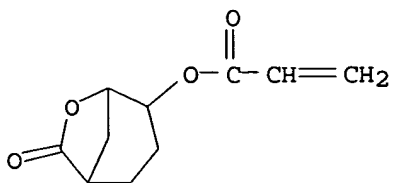


RN 454470-77-0 USPATFULL
CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1-methylcyclohexyl ester,
polymer with 2,5-furandione and 7-oxo-6-oxabicyclo[3.2.1]oct-4-yl
2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 398140-83-5

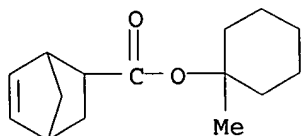
CMF C10 H12 O4



CM 2

CRN 279243-78-6

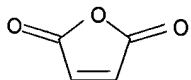
CMF C15 H22 O2



CM 3

CRN 108-31-6

CMF C4 H2 O3



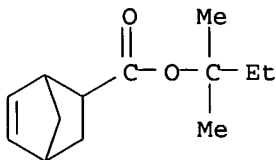
RN 454470-78-1 USPATFULL

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1,1-dimethylpropyl ester, polymer with 2,5-furandione, hexahydro-5-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate, hexahydro-6-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate, hexahydro-6a-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate and 3-hydroxytricyclo[3.3.1.1^{3,7}]dec-1-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 398140-58-4

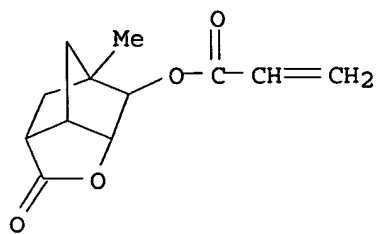
CMF C13 H20 O2



CM 2

CRN 392309-90-9

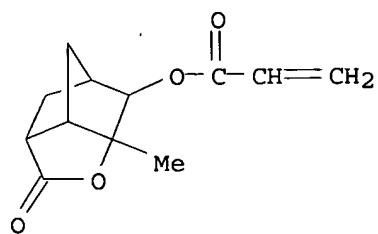
CMF C12 H14 O4



CM 3

CRN 392309-89-6

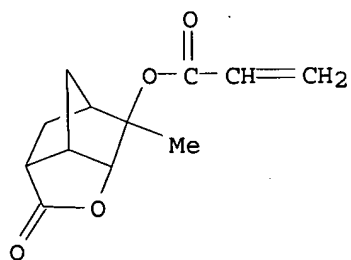
CMF C12 H14 O4



CM 4

CRN 392309-87-4

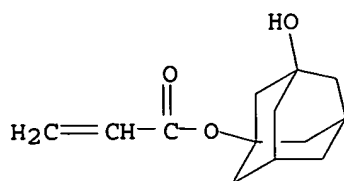
CMF C12 H14 O4



CM 5

CRN 216581-76-9

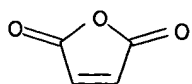
CMF C13 H18 O3



CM 6

CRN 108-31-6

CMF C4 H2 O3



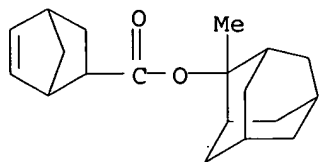
RN 454470-79-2 USPATFULL

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 2-methyltricyclo[3.3.1.1^{3,7}]dec-2-yl ester, polymer with 1,1-dimethylethyl 2-propenoate, 2,5-furandione and hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 328087-85-0

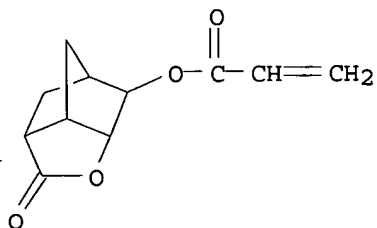
CMF C19 H26 O2



CM 2

CRN 242129-35-7

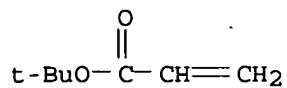
CMF C11 H12 O4



CM 3

CRN 1663-39-4

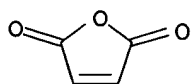
CMF C7 H12 O2



CM 4

CRN 108-31-6

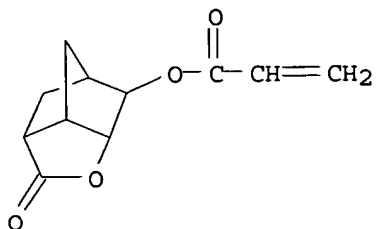
CMF C4 H2 O3



RN 454470-80-5 USPATFULL
 CN 1,4:5,8-Dimethanonaphthalene-2-carboxylic acid, 1,2,3,4,4a,5,8,8a-octahydro-, 1,1-dimethylethyl ester, polymer with 1,1-dimethylpropyl 2-propenoate, 2-(2-ethoxyethoxy)ethyl 2-propenoate, 2,5-furandione and hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

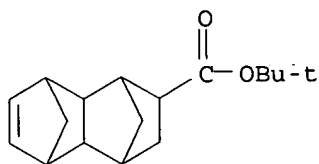
CM 1

CRN 242129-35-7
 CMF C11 H12 O4



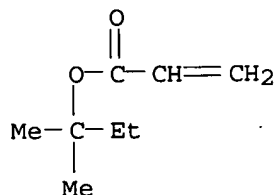
CM 2

CRN 195057-79-5
 CMF C17 H24 O2



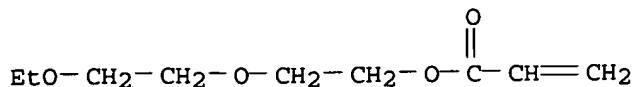
CM 3

CRN 7383-26-8
 CMF C8 H14 O2



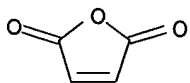
CM 4

CRN 7328-17-8
 CMF C9 H16 O4



CM 5

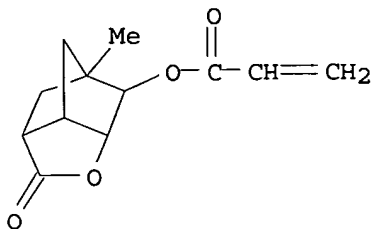
CRN 108-31-6
CMF C4 H2 O3



RN 454470-81-6 USPATFULL
CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1-methyl-1-(4-methylcyclohexyl)ethyl ester, polymer with 2,5-furandione, hexahydro-5-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate, hexahydro-6-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate and hexahydro-6a-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

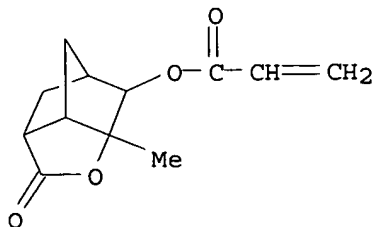
CM 1

CRN 392309-90-9
CMF C12 H14 O4



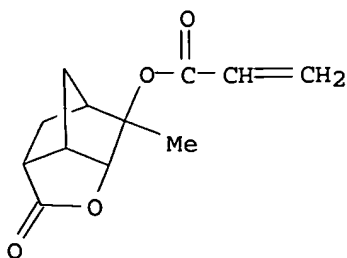
CM 2

CRN 392309-89-6
CMF C12 H14 O4



CM 3

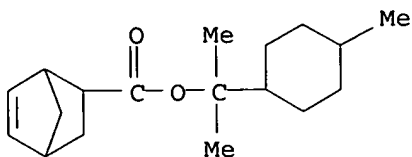
CRN 392309-87-4
CMF C12 H14 O4



CM 4

CRN 342648-12-8

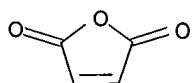
CMF C18 H28 O2



CM 5

CRN 108-31-6

CMF C4 H2 O3



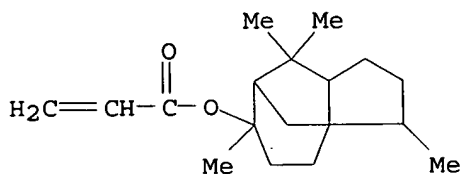
RN 454470-82-7 USPATFULL

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1-methyl-1-(4-methyl-2-oxocyclohexyl)ethyl ester, polymer with 2,5-furandione, 3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-5-yl acetate, hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate and octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 313698-62-3

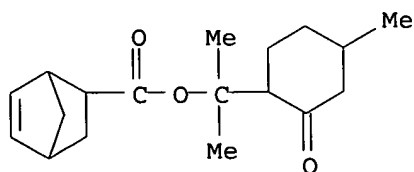
CMF C18 H28 O2



CM 2

CRN 312261-59-9

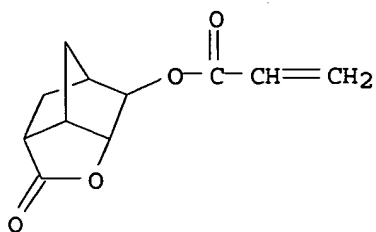
CMF C18 H26 O3



CM 3

CRN 242129-35-7

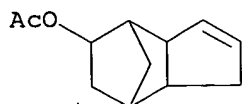
CMF C11 H12 O4



CM 4

CRN 2500-83-6

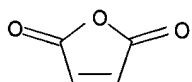
CMF C12 H16 O2



CM 5

CRN 108-31-6

CMF C4 H2 O3



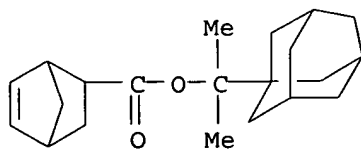
RN 454470-84-9 USPATFULL

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 2-methoxyethyl ester, polymer with 2,5-furandione, hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate, 1-methyl-1-tricyclo[3.3.1.1^{3,7}]dec-1-ylethyl bicyclo[2.2.1]hept-5-ene-2-carboxylate and 5-oxo-4-oxatricyclo[4.3.1.1^{3,8}]undec-1-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 328087-76-9

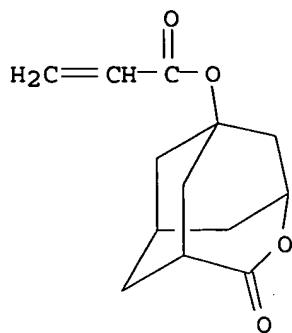
CMF C21 H30 O2



CM 2

CRN 265999-35-7

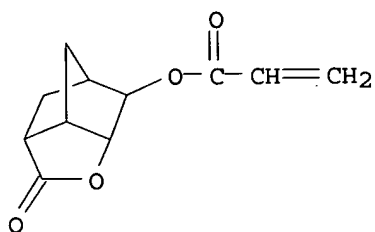
CMF C13 H16 O4



CM 3

CRN 242129-35-7

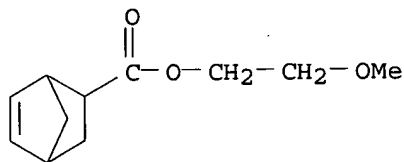
CMF C11 H12 O4



CM 4

CRN 46276-02-2

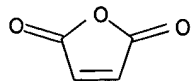
CMF C11 H16 O3



CM 5

CRN 108-31-6

CMF C4 H2 O3



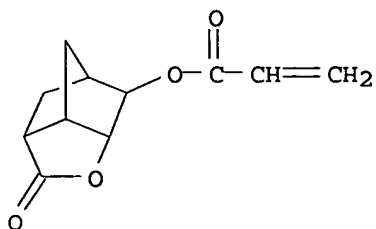
RN 454470-86-1 USPATFULL

CN 2-Propenoic acid, 1,1-dimethylpropyl ester, polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione and hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 242129-35-7

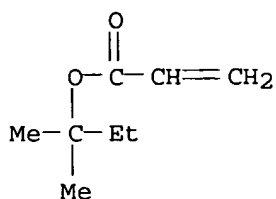
CMF C11 H12 O4



CM 2

CRN 7383-26-8

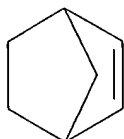
CMF C8 H14 O2



CM 3

CRN 498-66-8

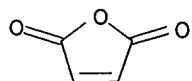
CMF C7 H10



CM 4

CRN 108-31-6

CMF C4 H2 O3



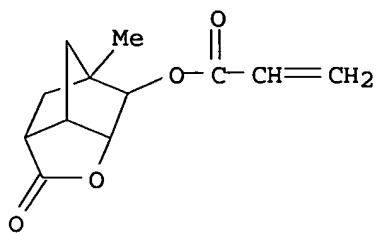
RN 454470-90-7 USPATFULL

CN 2-Propenoic acid, 2-methyl-, 2-ethyltricyclo[3.3.1.1^{3,7}]dec-2-yl ester, polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione, hexahydro-5-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate, hexahydro-6-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate and hexahydro-6a-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 392309-90-9

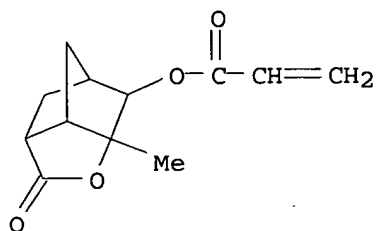
CMF C12 H14 O4



CM 2

CRN 392309-89-6

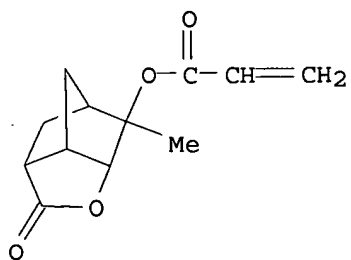
CMF C12 H14 O4



CM 3

CRN 392309-87-4

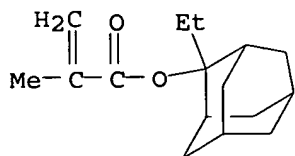
CMF C12 H14 O4



CM 4

CRN 209982-56-9

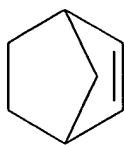
CMF C16 H24 O2



CM 5

CRN 498-66-8

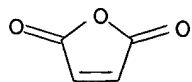
CMF C7 H10



CM 6

CRN 108-31-6

CMF C4 H2 O3



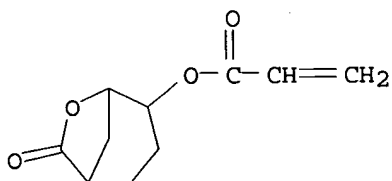
RN 454470-93-0 USPATFULL

CN 2-Propenoic acid, 2-methyl-, 1-methyl-4-(1-methylethyl)cyclohexyl ester,
polymer with α,α -dimethylbicyclo[2.2.1]hept-5-ene-2-
methanol, 2,5-furandione and 7-oxo-6-oxabicyclo[3.2.1]oct-4-yl
2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 398140-83-5

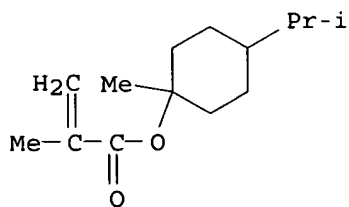
CMF C10 H12 O4



CM 2

CRN 196928-92-4

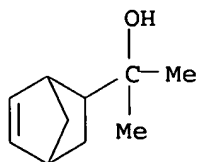
CMF C14 H24 O2



CM 3

CRN 22497-08-1

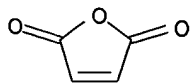
CMF C10 H16 O



CM 4

CRN 108-31-6

CMF C4 H2 O3



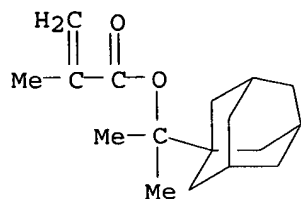
RN 454470-95-2 USPATFULL

CN 2-Propenoic acid, 2-methyl-, 1-methyl-1-tricyclo[3.3.1.1^{3,7}]dec-1-ylethyl ester, polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione and hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 279218-76-7

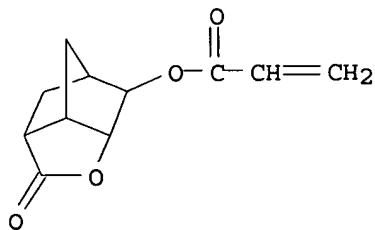
CMF C17 H26 O2



CM 2

CRN 242129-35-7

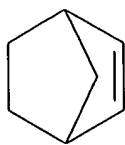
CMF C11 H12 O4



CM 3

CRN 498-66-8

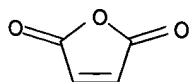
CMF C7 H10



CM 4

CRN 108-31-6

CMF C4 H2 O3



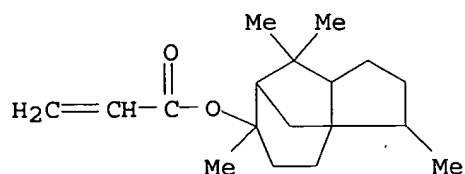
RN 454470-97-4 USPATFULL

CN 2-Propenoic acid, hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl ester, polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione, 3-hydroxytricyclo[3.3.1.1^{3,7}]dec-1-yl 2-propenoate and octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 313698-62-3

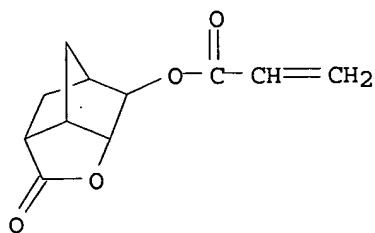
CMF C18 H28 O2



CM 2

CRN 242129-35-7

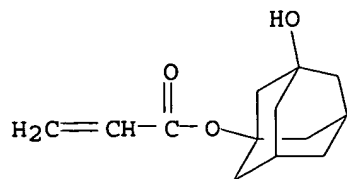
CMF C11 H12 O4



CM 3

CRN 216581-76-9

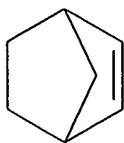
CMF C13 H18 O3



CM 4

CRN 498-66-8

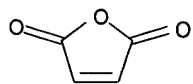
CMF C7 H10



CM 5

CRN 108-31-6

CMF C4 H2 O3



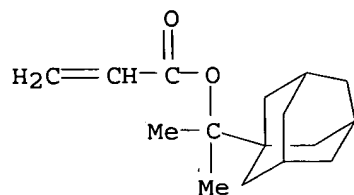
RN 454471-00-2 USPATFULL

CN 2-Propenoic acid, hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl ester, polymer with bicyclo[2.2.1]hept-2-ene, 1-cyclohexyl-1H-pyrrole-2,5-dione, 2,5-furandione and 1-methyl-1-tricyclo[3.3.1.1^{3,7}]dec-1-ylethyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 300833-10-7

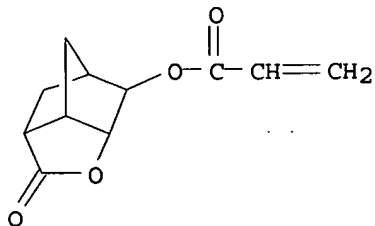
CMF C16 H24 O2



CM 2

CRN 242129-35-7

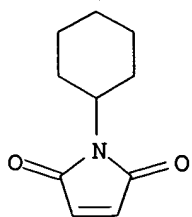
CMF C11 H12 O4



CM 3

CRN 1631-25-0

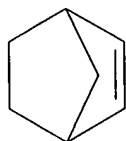
CMF C10 H13 N O2



CM 4

CRN 498-66-8

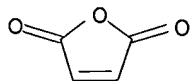
CMF C7 H10



CM 5

CRN 108-31-6

CMF C4 H2 O3



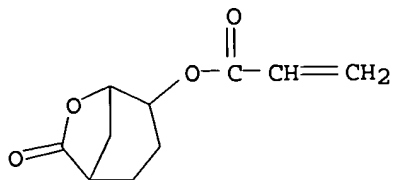
RN 454471-02-4 USPATFULL

CN 2-Propenoic acid, 1-methyl-1-tricyclo[3.3.1.1^{3,7}]dec-1-ylethyl ester,
polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione,
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-5-yl acetate and
7-oxo-6-oxabicyclo[3.2.1]oct-4-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 398140-83-5

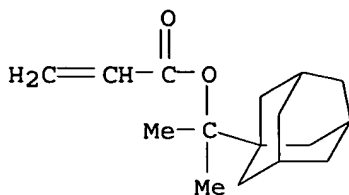
CMF C10 H12 O4



CM 2

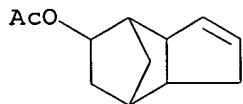
CRN 300833-10-7

CMF C16 H24 O2



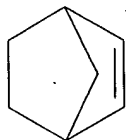
CM 3

CRN 2500-83-6
CMF C12 H16 O2



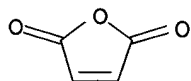
CM 4

CRN 498-66-8
CMF C7 H10



CM 5

CRN 108-31-6
CMF C4 H2 O3



L14 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2002:673049 HCAPLUS

DOCUMENT NUMBER: 137:208381

TITLE: Storage-stable chemically amplified UV positive photoresist compositions with good post-exposure stability for halftone exposure

INVENTOR(S): Sato, Kenichiro; Kodama, Kunihiro

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 87 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002251013	A2	20020906	JP 2001-48880	20010223
US 2003017415	A1	20030123	US 2002-79414	20020222

US 6858370	B2	20050222		
TW 548523	B	20030821	TW 2002-91103178	20020222
PRIORITY APPLN. INFO.:			JP 2001-48602	A 20010223
			JP 2001-48783	A 20010223
			JP 2001-48784	A 20010223
			JP 2001-48880	A 20010223
			JP 2001-157366	A 20010525
			JP 2001-157367	A 20010525

IT 392309-88-5P 392310-00-8P 398140-88-0P
 454470-75-8P 454470-76-9P 454470-77-0P
 454470-78-1P 454470-79-2P 454470-80-5P
 454470-81-6P 454470-82-7P 454470-84-9P
 454470-86-1P 454470-90-7P 454470-93-0P
 454470-95-2P 454470-97-4P 454471-00-2P
 454471-02-4P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(storage-stable chemical amplified UV pos. photoresists with good post-exposure stability for halftone exposure)

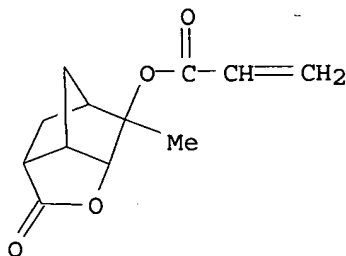
RN 392309-88-5 HCAPLUS

CN 2-Propenoic acid, hexahydro-6-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-7-yl ester, polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione and 2-methyltricyclo[3.3.1.1^{3,7}]dec-2-yl 2-propenoate (9CI)
 (CA INDEX NAME)

CM 1

CRN 392309-87-4

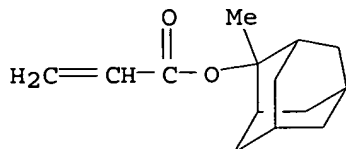
CMF C12 H14 O4



CM 2

CRN 249562-06-9

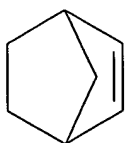
CMF C14 H20 O2



CM 3

CRN 498-66-8

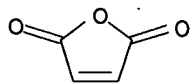
CMF C7 H10



CM 4

CRN 108-31-6

CMF C4 H2 O3



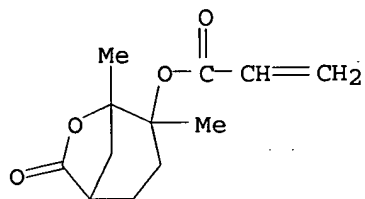
RN 392310-00-8 HCAPLUS

CN 2-Propenoic acid, 4,5-dimethyl-7-oxo-6-oxabicyclo[3.2.1]oct-4-yl ester, polymer with 2,5-furandione, 1-methyl-1-(4-methylcyclohexyl)ethyl 2-propenoate and 1,2,3,4,4a,5,8,8a-octahydro-1,4:5,8-dimethanonaphthalene (9CI) (CA INDEX NAME)

CM 1

CRN 392309-99-8

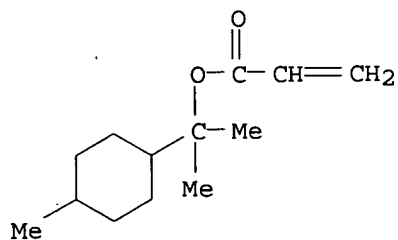
CMF C12 H16 O4



CM 2

CRN 342648-11-7

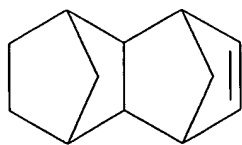
CMF C13 H22 O2



CM 3

CRN 21635-90-5

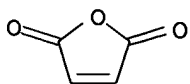
CMF C12 H16



CM 4

CRN 108-31-6

CMF C4 H2 O3



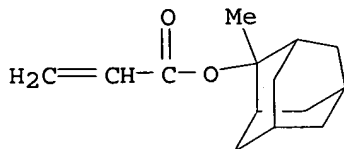
RN 398140-88-0 HCAPLUS

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1,1-dimethylethyl ester,
polymer with 2,5-furandione, hexahydro-2-oxo-3,5-methano-2H-
cyclopenta[b]furan-6-yl 2-propenoate and 2-methyltricyclo[3.3.1.1^{3,7}]dec-2-
yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 249562-06-9

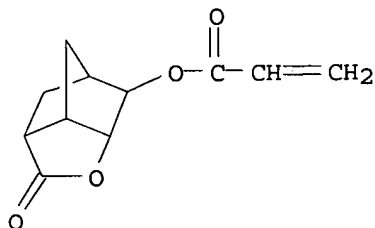
CMF C14 H20 O2



CM 2

CRN 242129-35-7

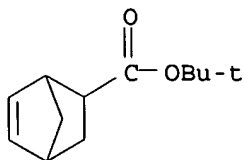
CMF C11 H12 O4



CM 3

CRN 154970-45-3

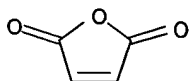
CMF C12 H18 O2



CM 4

CRN 108-31-6

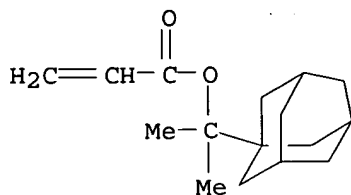
CMF C4 H2 O3



RN 454470-75-8 HCAPLUS
 CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1,1-dimethylethyl ester,
 polymer with 3,5-dihydroxytricyclo[3.3.1.1^{3,7}]dec-1-yl 2-propenoate,
 2,5-furandione, hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl
 2-propenoate and 1-methyl-1-tricyclo[3.3.1.1^{3,7}]dec-1-ylethyl 2-propenoate
 (9CI) (CA INDEX NAME)

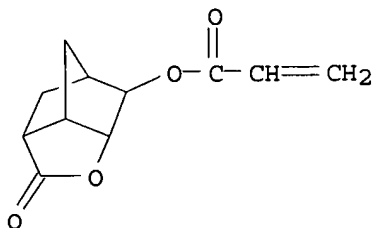
CM 1

CRN 300833-10-7
 CMF C16 H24 O2



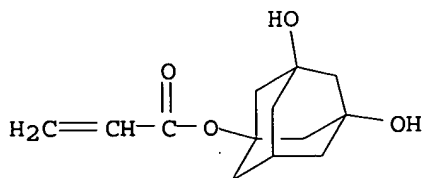
CM 2

CRN 242129-35-7
 CMF C11 H12 O4



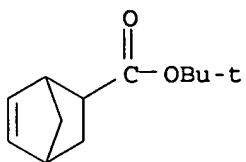
CM 3

CRN 216581-85-0
 CMF C13 H18 O4



CM 4

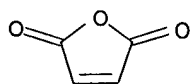
CRN 154970-45-3
 CMF C12 H18 O2



CM 5

CRN 108-31-6

CMF C4 H2 O3



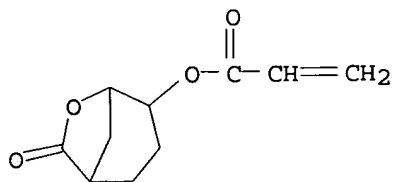
RN 454470-76-9 HCAPLUS

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1,1-dimethylethyl ester,
polymer with 2,5-furandione, 1-methyl-1-(4-methylcyclohexyl)ethyl
2-propenoate and 7-oxo-6-oxabicyclo[3.2.1]oct-4-yl 2-propenoate (9CI) (CA
INDEX NAME)

CM 1

CRN 398140-83-5

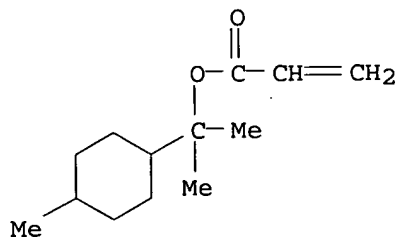
CMF C10 H12 O4



CM 2

CRN 342648-11-7

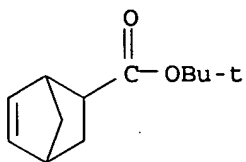
CMF C13 H22 O2



CM 3

CRN 154970-45-3

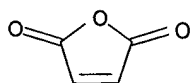
CMF C12 H18 O2



CM 4

CRN 108-31-6

CMF C4 H2 O3



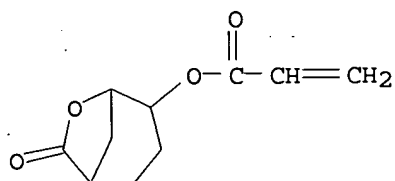
RN 454470-77-0 HCAPLUS

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1-methylcyclohexyl ester,
polymer with 2,5-furandione and 7-oxo-6-oxabicyclo[3.2.1]oct-4-yl
2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 398140-83-5

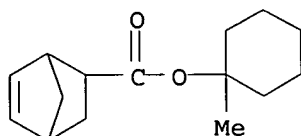
CMF C10 H12 O4



CM 2

CRN 279243-78-6

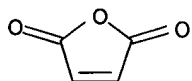
CMF C15 H22 O2



CM 3

CRN 108-31-6

CMF C4 H2 O3



RN 454470-78-1 HCAPLUS

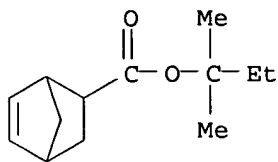
CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1,1-dimethylpropyl ester,
polymer with 2,5-furandione, hexahydro-5-methyl-2-oxo-3,5-methano-2H-

cyclopenta[b]furan-6-yl 2-propenoate, hexahydro-6-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate, hexahydro-6a-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate and 3-hydroxytricyclo[3.3.1.1^{3,7}]dec-1-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 398140-58-4

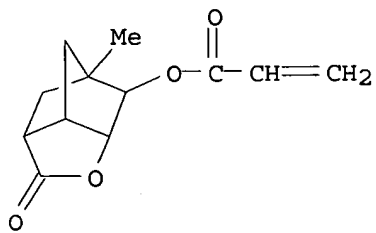
CMF C13 H20 O2



CM 2

CRN 392309-90-9

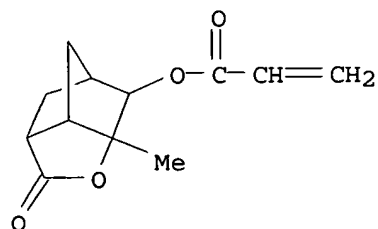
CMF C12 H14 O4



CM 3

CRN 392309-89-6

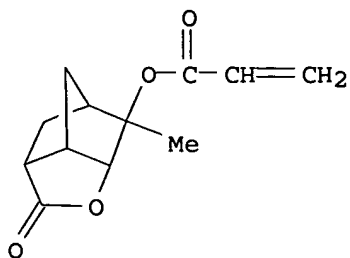
CMF C12 H14 O4



CM 4

CRN 392309-87-4

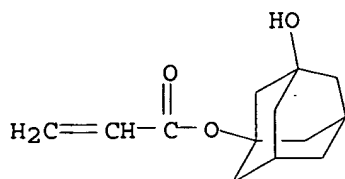
CMF C12 H14 O4



CM 5

CRN 216581-76-9

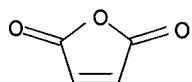
CMF C13 H18 O3



CM 6

CRN 108-31-6

CMF C4 H2 O3



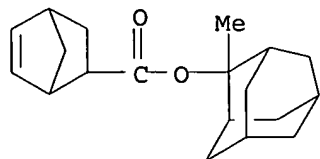
RN 454470-79-2 HCAPLUS

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 2-methyltricyclo[3.3.1.1^{3,7}]dec-2-yl ester, polymer with 1,1-dimethylethyl 2-propenoate, 2,5-furandione and hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 328087-85-0

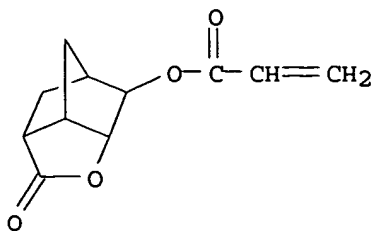
CMF C19 H26 O2



CM 2

CRN 242129-35-7

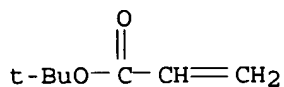
CMF C11 H12 O4



CM 3

CRN 1663-39-4

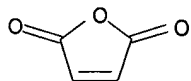
CMF C7 H12 O2



CM 4

CRN 108-31-6

CMF C4 H2 O3



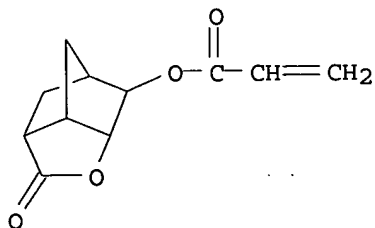
RN 454470-80-5 HCAPLUS

CN 1,4:5,8-Dimethanonaphthalene-2-carboxylic acid, 1,2,3,4,4a,5,8,8a-octahydro-, 1,1-dimethylethyl ester, polymer with 1,1-dimethylpropyl 2-propenoate, 2-(2-ethoxyethoxy)ethyl 2-propenoate, 2,5-furandione and hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 242129-35-7

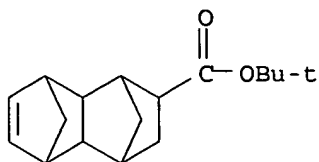
CMF C11 H12 O4



CM 2

CRN 195057-79-5

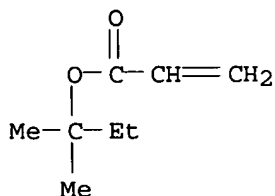
CMF C17 H24 O2



CM 3

CRN 7383-26-8

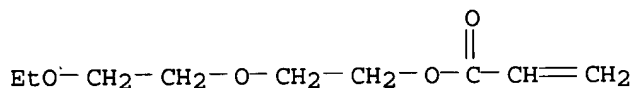
CMF C8 H14 O2



CM 4

CRN 7328-17-8

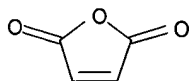
CMF C9 H16 O4



CM 5

CRN 108-31-6

CMF C4 H2 O3



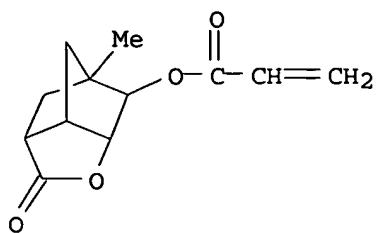
RN 454470-81-6 HCAPLUS

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1-methyl-1-(4-methylcyclohexyl)ethyl ester, polymer with 2,5-furandione, hexahydro-5-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate, hexahydro-6-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate and hexahydro-6a-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 392309-90-9

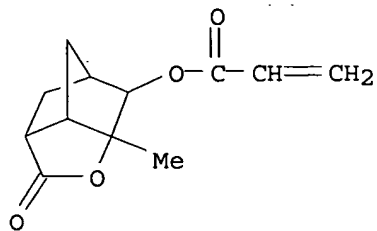
CMF C12 H14 O4



CM 2

CRN 392309-89-6

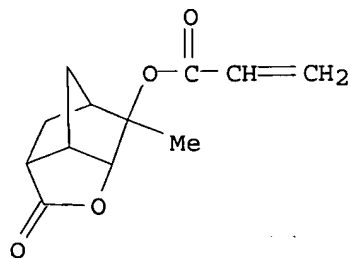
CMF C12 H14 O4



CM 3

CRN 392309-87-4

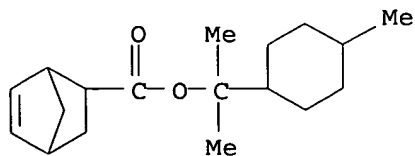
CMF C12 H14 O4



CM 4

CRN 342648-12-8

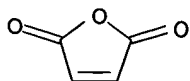
CMF C18 H28 O2



CM 5

CRN 108-31-6

CMF C4 H2 O3

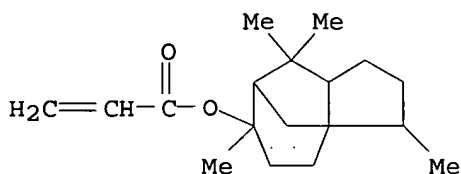


RN 454470-82-7 HCAPLUS
 CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1-methyl-1-(4-methyl-2-oxocyclohexyl)ethyl ester, polymer with 2,5-furandione, 3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-5-yl acetate, hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate and octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 313698-62-3

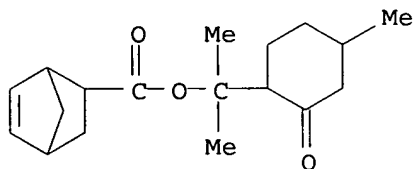
CMF C18 H28 O2



CM 2

CRN 312261-59-9

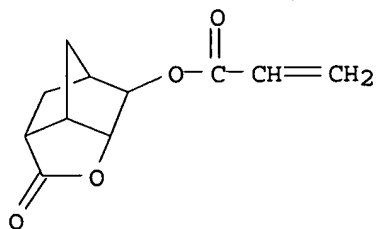
CMF C18 H26 O3



CM 3

CRN 242129-35-7

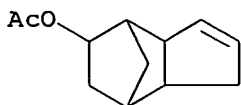
CMF C11 H12 O4



CM 4

CRN 2500-83-6

CMF C12 H16 O2



CM 5

CRN 108-31-6

CMF C4 H2 O3



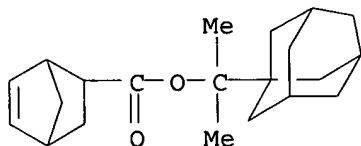
RN 454470-84-9 HCAPLUS

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 2-methoxyethyl ester, polymer with 2,5-furandione, hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate, 1-methyl-1-tricyclo[3.3.1.1^{3,7}]dec-1-ylethyl bicyclo[2.2.1]hept-5-ene-2-carboxylate and 5-oxo-4-oxatricyclo[4.3.1.1^{3,8}]undec-1-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 328087-76-9

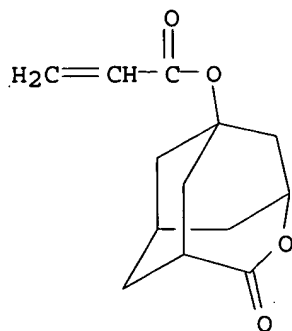
CMF C21 H30 O2



CM 2

CRN 265999-35-7

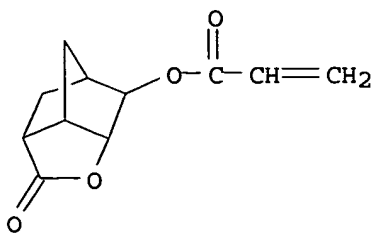
CMF C13 H16 O4



CM 3

CRN 242129-35-7

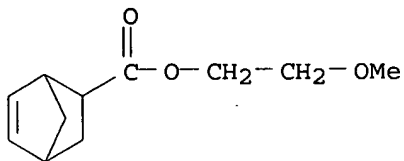
CMF C11 H12 O4



CM 4

CRN 46276-02-2

CMF C11 H16 O3



CM 5

CRN 108-31-6

CMF C4 H2 O3



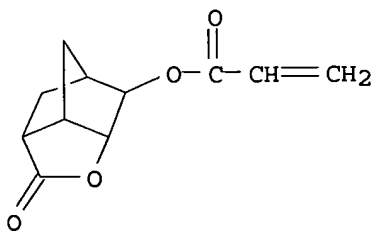
RN 454470-86-1 HCAPLUS

CN 2-Propenoic acid, 1,1-dimethylpropyl ester, polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione and hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 242129-35-7

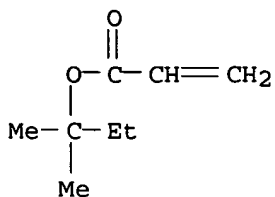
CMF C11 H12 O4



CM 2

CRN 7383-26-8

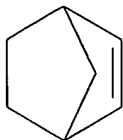
CMF C8 H14 O2



CM 3

CRN 498-66-8

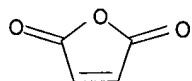
CMF C7 H10



CM 4

CRN 108-31-6

CMF C4 H2 O3



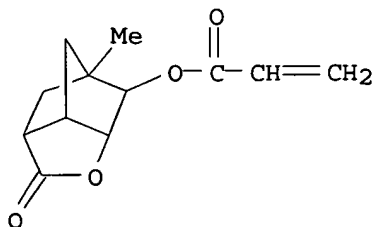
RN 454470-90-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-ethyltricyclo[3.3.1.1^{3,7}]dec-2-yl ester, polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione, hexahydro-5-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate, hexahydro-6-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate and hexahydro-6a-methyl-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 392309-90-9

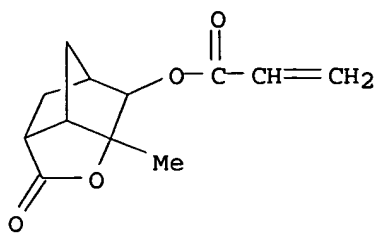
CMF C12 H14 O4



CM 2

CRN 392309-89-6

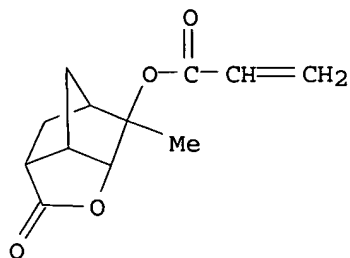
CMF C12 H14 O4



CM 3

CRN 392309-87-4

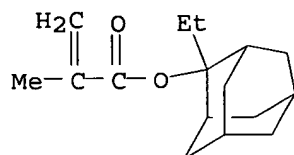
CMF C12 H14 O4



CM 4

CRN 209982-56-9

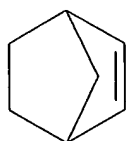
CMF C16 H24 O2



CM 5

CRN 498-66-8

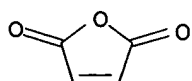
CMF C7 H10



CM 6

CRN 108-31-6

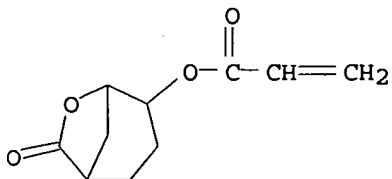
CMF C4 H2 O3



RN 454470-93-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 1-methyl-4-(1-methylethyl)cyclohexyl ester,
polymer with α,α -dimethylbicyclo[2.2.1]hept-5-ene-2-methanol,
2,5-furandione and 7-oxo-6-oxabicyclo[3.2.1]oct-4-yl 2-propenoate (9CI)
(CA INDEX NAME)

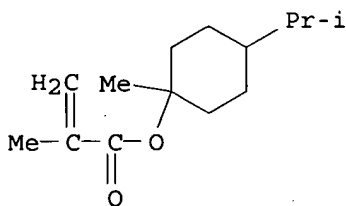
CM 1

CRN 398140-83-5
CMF C10 H12 O4



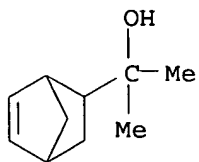
CM 2

CRN 196928-92-4
CMF C14 H24 O2



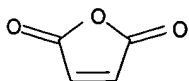
CM 3

CRN 22497-08-1
CMF C10 H16 O



CM 4

CRN 108-31-6
CMF C4 H2 O3

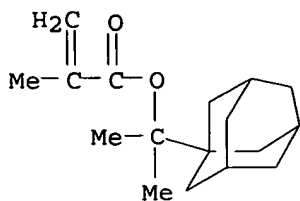


RN 454470-95-2 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 1-methyl-1-tricyclo[3.3.1.1^{3,7}]dec-1-ylethyl
ester, polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione and
hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl 2-propenoate (9CI)
(CA INDEX NAME)

CM 1

CRN 279218-76-7

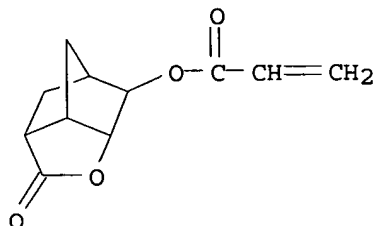
CMF C17 H26 O2



CM 2

CRN 242129-35-7

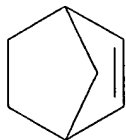
CMF C11 H12 O4



CM 3

CRN 498-66-8

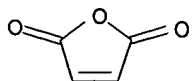
CMF C7 H10



CM 4

CRN 108-31-6

CMF C4 H2 O3

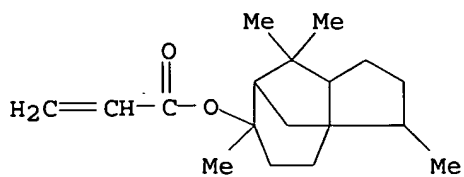


RN 454470-97-4 HCAPLUS

CM 2-Propenoic acid, hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl ester, polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione, 3-hydroxytricyclo[3.3.1.1^{3,7}]dec-1-yl 2-propenoate and octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-6-yl 2-propenoate (9CI) (CA INDEX NAME)

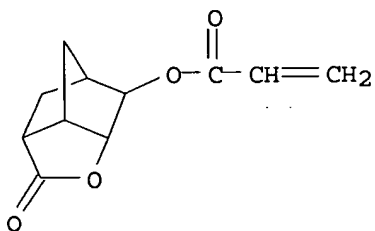
CM 1

CRN 313698-62-3
CMF C18 H28 O2



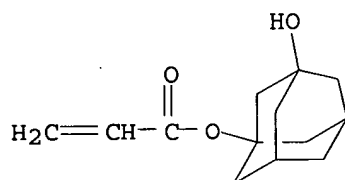
CM 2

CRN 242129-35-7
CMF C11 H12 O4



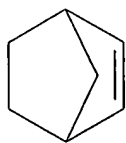
CM 3

CRN 216581-76-9
CMF C13 H18 O3



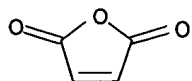
CM 4

CRN 498-66-8
CMF C7 H10



CM 5

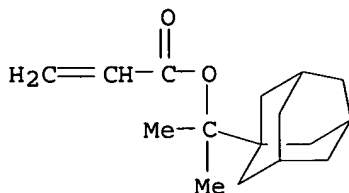
CRN 108-31-6
CMF C4 H2 O3



RN 454471-00-2 HCAPLUS
CN 2-Propenoic acid, hexahydro-2-oxo-3,5-methano-2H-cyclopenta[b]furan-6-yl
ester, polymer with bicyclo[2.2.1]hept-2-ene, 1-cyclohexyl-1H-pyrrole-2,5-
dione, 2,5-furandione and 1-methyl-1-tricyclo[3.3.1.1^{3,7}]dec-1-ylethyl
2-propenoate (9CI) (CA INDEX NAME)

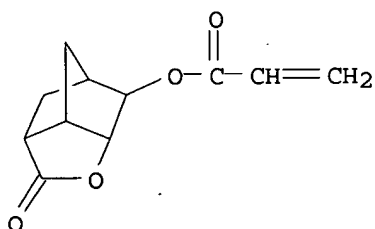
CM 1

CRN 300833-10-7
CMF C16 H24 O2



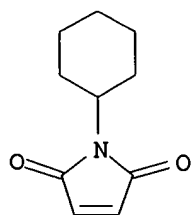
CM 2

CRN 242129-35-7
CMF C11 H12 O4



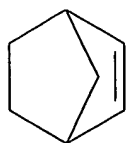
CM 3

CRN 1631-25-0
CMF C10 H13 N O2



CM 4

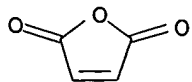
CRN 498-66-8
CMF C7 H10



CM 5

CRN 108-31-6

CMF C4 H2 O3



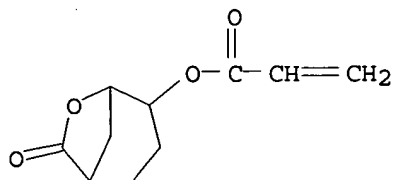
RN 454471-02-4 HCAPLUS

CN 2-Propenoic acid, 1-methyl-1-tricyclo[3.3.1.1^{3,7}]dec-1-ylethyl ester,
polymer with bicyclo[2.2.1]hept-2-ene, 2,5-furandione,
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-5-yl acetate and
7-oxo-6-oxabicyclo[3.2.1]oct-4-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 398140-83-5

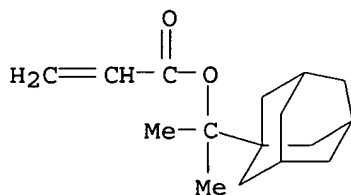
CMF C10 H12 O4



CM 2

CRN 300833-10-7

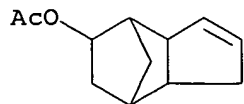
CMF C16 H24 O2



CM 3

CRN 2500-83-6

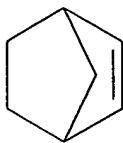
CMF C12 H16 O2



CM 4

CRN 498-66-8

CMF C7 H10



CM 5

CRN 108-31-6
CMF C4 H2 O3

